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JP11207190A: CATALYST FOR PURIFICATION OF EXHAUST GAS AND ITS PRODUCTION

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Country: **JP** Japan

Inventor(s): **YAMADA KEIJI**
TAKAMI AKIHIDE
IWAKUNI HIDEJI
KYOGOKU MAKOTO
OKAMOTO KENJI

Applicant(s): **MAZDA MOTOR CORP**



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Abstract: **Problem to be solved:** To allow oxide of a metal such as Mn or Co to effectively exhibit catalytic action by adding a liq. mixture of a soln. of an NOx occluding material and a noble metal soln. to the oxide to support the noble metal and the NOx occluding material.
Solution: The catalyst has a honeycomb carrier 1 comprising cordierite excellent in heat resistance and two catalyst layers on the carrier 1. One of the catalyst layers is an inside catalyst layer 2 (lower catalyst layer) closer to the surface of the carrier 1 and the other is an outside catalyst layer 3 (upper catalyst layer) on the inside catalyst layer 2. In the inside catalyst layer 2, a noble metal as a catalyst metal and an NOx occluding material are supported on oxide of a metal selected from Mn, Co, Ti and Fe, alumina and CeO₂. In the outside catalyst layer 3, the noble metal and the NOx occluding material are supported on a zeolite layer. Platinum is particularly used as the noble metal. Barium is particularly used as the NOx occluding material.
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Foreign References: **non**

(No patents reference this one)

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